SONY DXC-3000 ORIENTATION

The filter wheel is used to compensate for various lighting situations. They help to maintain proper color temperatures when shooting indoors and outdoors. The DXC-3000 has three filter positions.

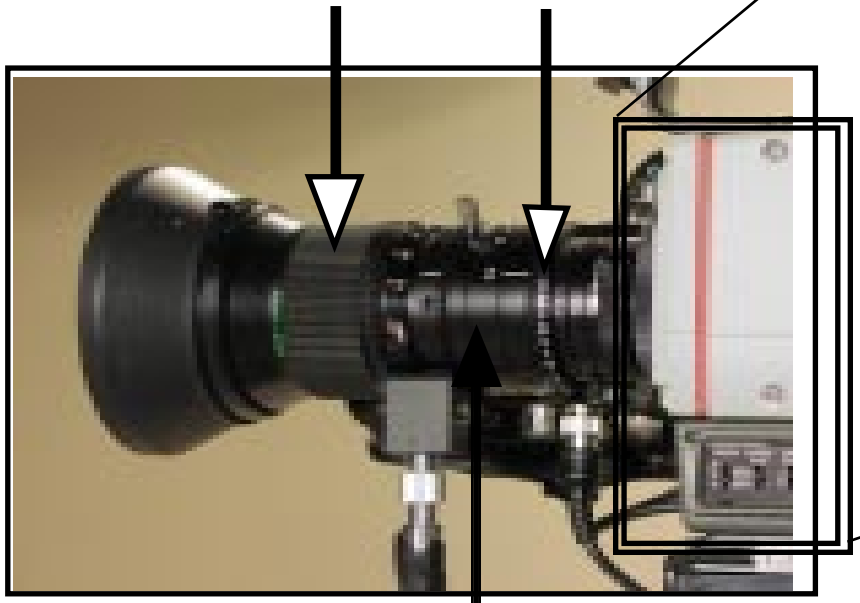
Filter #1=3200 degrees Kelvin
Filter #2= 5600 degrees Kelvin w/1/8 ND
Filter #3=5600 degrees Kelvin

It is recommended to use the correct filter when shooting in the specific color temperature. Therefore, filter #1 is usually used when shooting indoors, and filter #2 & #3 is used outdoors. The ND (Neutral Density) filter is used to compensate for a bright light situation, however in doing so it does not change the color tmeperature.

There are many cameras out there. Some may have as many as 20 filters. Know your filters! It can really make or break a production. Always double check the settings and make sure it's locked into place.

Focus Ring

Iris Ring

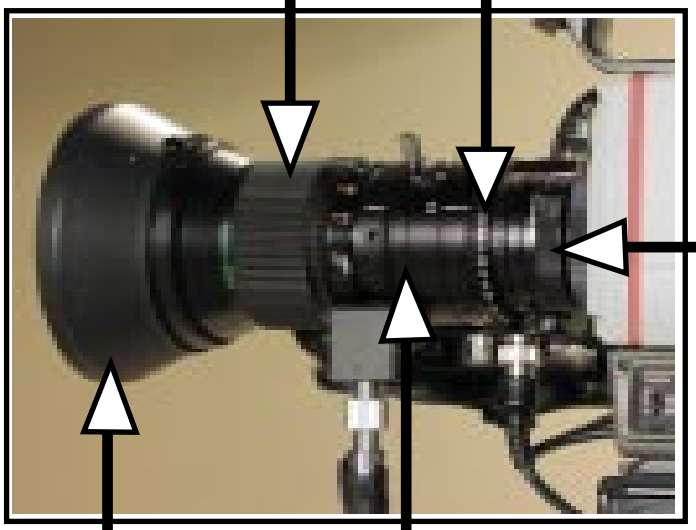


Zoom Ring

Many of the studio camera features will be controlled by the CCU's. This would be the job for the technical director or engineer from the control room. Bars, gain, and white & black balancing are usually controlled remotely.

POWER
Off/Preheat/ON

SONY DXC-3000 Lens Orientation



The Zoom Select has 2 positions
M = Manual Mode
S = Servo Mode

The incidental iris button (momentarily) automatically adjusts the iris for optimum setting. This is used to quickly check what the camera's automatic iris would be, while leaving the iris in the camera operator's control.

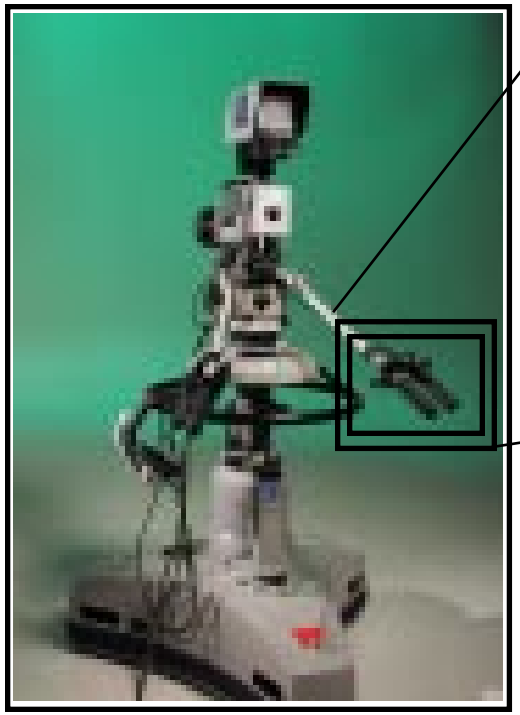
The Iris select switch has 3 positions:
R= Remote control by CCU
M=Manual
A= Auatomatic camera control

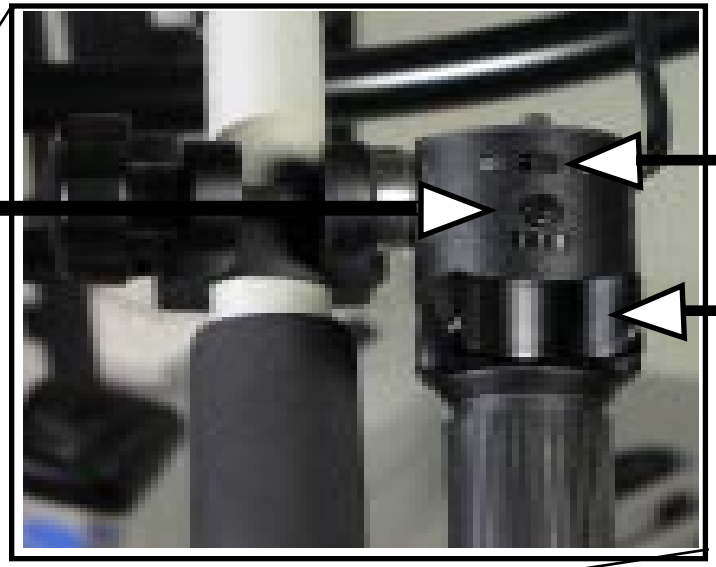
SONY DXC-3000 Zoom Orientation

The remote electric zoom is relatively a simple device. Aside from controlling zoom action it also contains a video return button. This button, labeled “VTR” will allow you to see what is on the preview monitor in the control room. With this capability you can COMP (compose) a shot with switcher setting appearing in your camera viewfinder. This is how to COMP for a box wipe or television graphic like that in a newscast program. You can also use it to see what the up-coming event is. The video return button does not affect your camera output to the switcher so it won’t matter if you decide to activate the switch during the program.

There are 2 remote video return buttons
1. Top of the handle above the zoom rocker switch
2. A depression under the rubber housing of the handle (hidden)

Video Return button





Zoom action switch

Remote zoom rocker switch
(telephoto-clockwise turn)
(wide-counter clockwise turn)

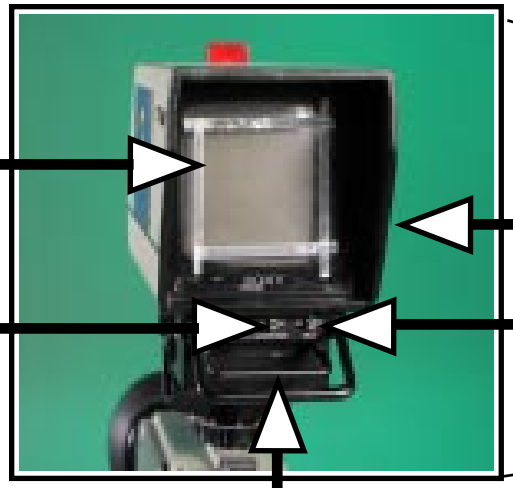
The zoom action switch changes the rocker zoom from a clockwise zoom-in to a clockwise zoom out.

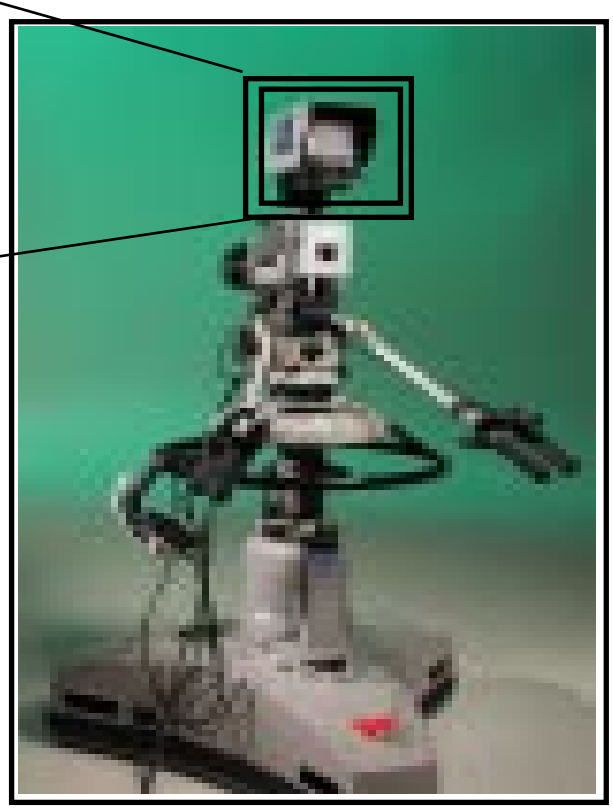
Normally a clockwise movement of the zoom rocker performs a zoom-in or telephoto action.

The real purpose of this switch is to accomodate for left-handed operators.

SONY DXC-3000 Viewfinder Orientation Viewfinder

The viewfinder mounted to the top of the camera is an under-scanned monitor. This enables you to see the entire picture from one edge to the other. When you compare the visual image you see in the viewfinder to the image you see on the television, you may notice the TV image crops off information on all sides. This is why we must follow safe-title regions when we COMP our shots. So why have an underscanned monitor/viewfinder? So that you can determine exactly what your camera is shooting and prevent anything from sneaking in on the sides that shouldn't be there. Knowing how much to compensate and shoot for the viewing audience may be difficult at first, but you can use the COMP border markers taped on the monitor to assist you in shooting.





The side of the viewfinder contains monitor adjustment controls.

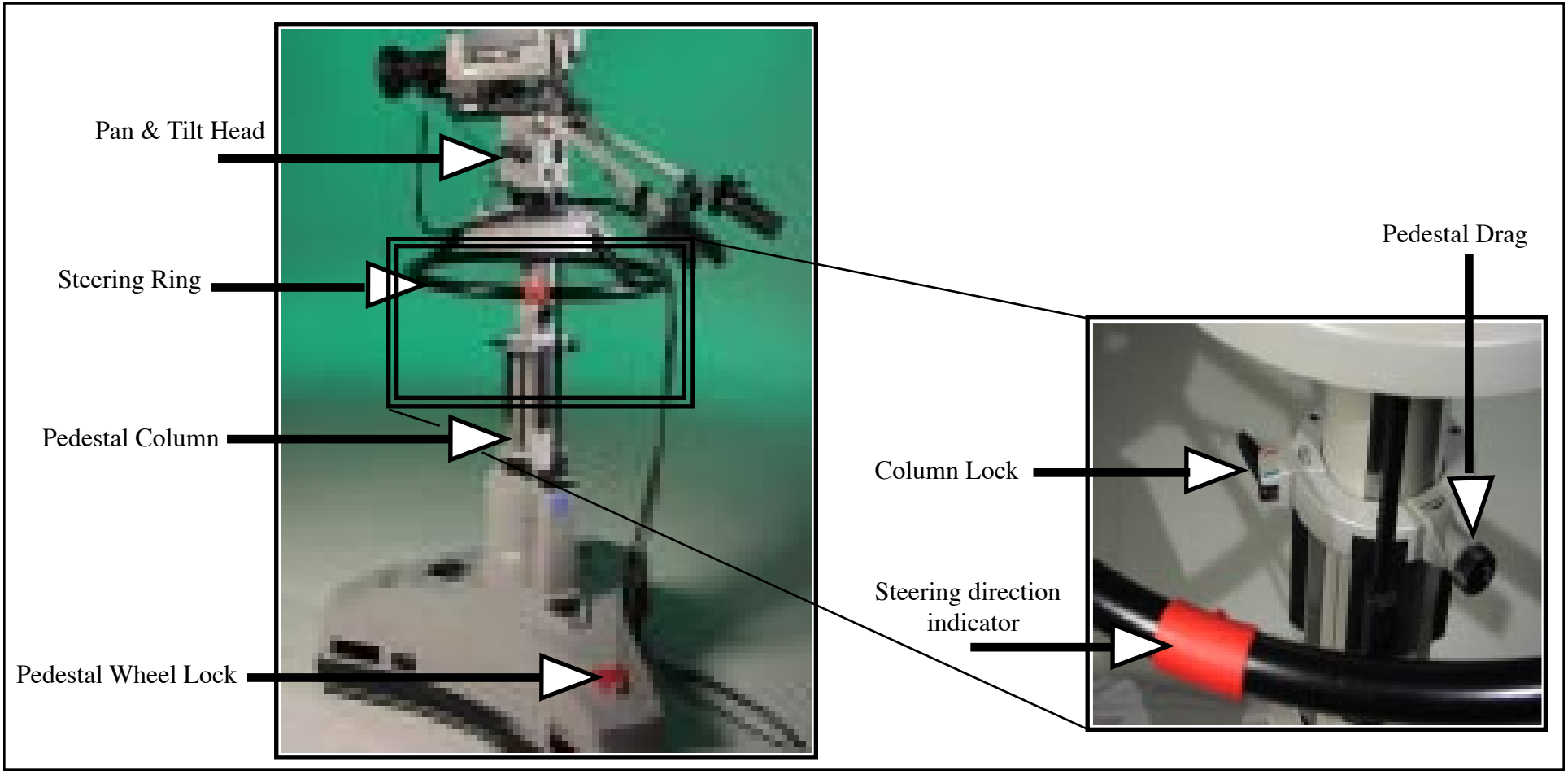
All monitors need to be adjusted correctly in order to have proper viewing. This means to have a technical understanding of level adjustments and industry standards.

Start to train your eye at an early stage so that you can recognize what a properly adjusted monitor looks like.

SONY DXC-3000 Pedestal Orientation

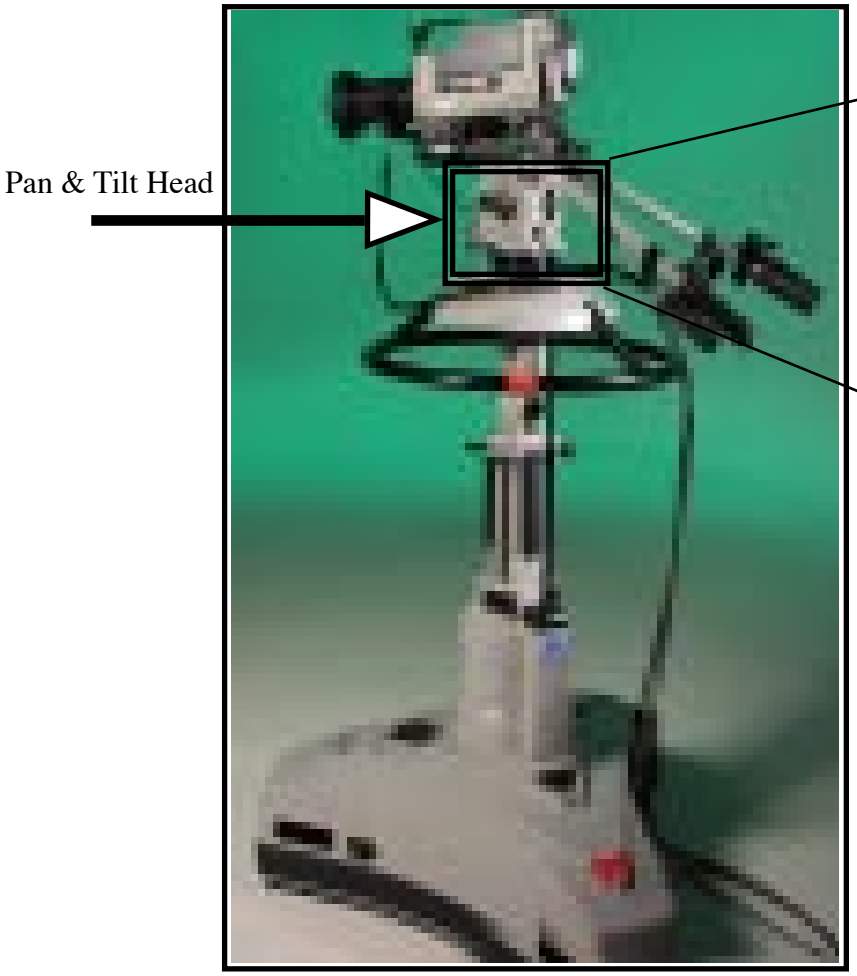
The Vinten Quartz two stage pedestal allows one to move the camera in three planes:
1.) Left/Right=Truck
2.) In/Out=Dolly
3.) Up/Down=Pedestal

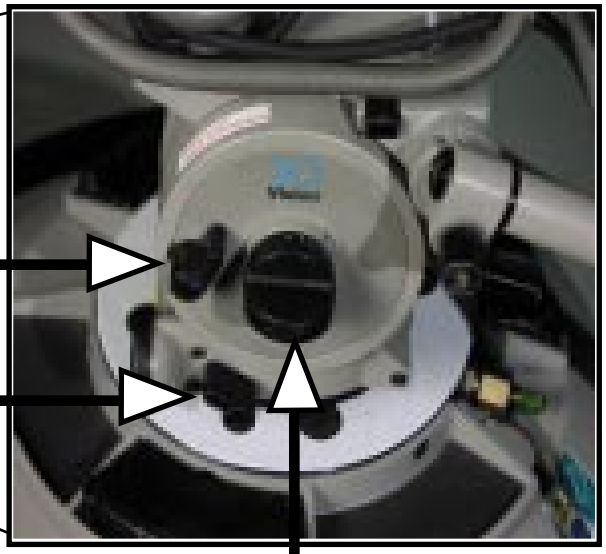
To steer the pedestal make sure the wheel lock is off, point the red marker on the Pedestal Steering Wheel in the direction you wish to travel and apply a gentle push to the base of the pedestal.
To pedestal up or down make sure the pedestal lock is off and pull or push the pedestal ring in the direction you wish to go.



SONY DXC-3000 Pan & Tilt Head Orientation

The Vinten 20 Pan & Tilt head controls the movement of the camera. Panning is the action that moves the camera right or left. Tilting is the action that moves the camera up or down. The head has a Tilt lock, a Pan lock, a Tilt Drag and a Pan Drag. The pan lock should always be unlocked when the camera is stored. When a camera operator is using the camera both the Pan and the Tilt locks should be unlocked.





The Pan Drag is located on the opposite side of the head. Apply equal tilt and pan drag allowing you to move the head in all directions with equal force.